

Chapter 1 Remediation packet

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Date_____ Period_____

Write each as an algebraic expression.

1) the sum of n and 7

2) q decreased by 6

3) 6 less than x

Write each as a verbal expression.4) $24 - v$ 5) $x \cdot 5$ 6) m^3 **Evaluate each expression.**7) $4^2 - (4^2 - 5)$ 8) $5 + (6 - 4) \times 6 - 3$

$$9) (5 + 2) \times 2 - \frac{15}{3}$$

$$10) \frac{15 \times 2}{3 + 3}$$

Simplify each expression.

$$11) -8(3m + 8)$$

$$12) -(2b + 6)$$

$$13) -7x - 10 + 7$$

$$14) 4p - 5p$$

$$15) -2(-9 + 5r) - 10r$$

$$16) 2 - 6(9 - 3m)$$

Name the set or sets to which each number belongs. R=rational numbers, W=whole numbers, I=integers, N=natural numbers, IN=irrational numbers

$$17) \frac{-20}{-2}$$

$$18) -14$$

19) 0

20) $\sqrt{40}$

21) $\sqrt{49}$

Evaluate each using the values given.

22) mp^2 ; use $m = 5$, and $p = 3$

23) $n + p - m$; use $m = 6$, $n = 5$, and $p = 3$

Write the appropriate property

24) Commutative property of addition

25) Commutative property of addition

26) Associative property of addition

27) Identity property of addition

28) Inverse property of addition

29) Commutative property of multiplication